

# **A. M. A.**

## **ARCHIVES OF**

# **NEUROLOGY <sup>A</sup><sub>N</sub>, PSYCHIATRY**

### **EDITORIAL BOARD**

TRACY J. PUTNAM, Chief Editor

450 North Bedford Drive, Beverly Hills, California

HAROLD G. WOLFF, New York

STANLEY COBB, Boston

JOHN WHITEHORN, Baltimore

CHARLES D. ARING, Cincinnati

ROY R. GRINKER, Chicago

BERNARD J. ALPERS, Philadelphia

PERCIVAL BAILEY, Chicago

WILDER PENFIELD, Contributing Member, Montreal

**JULY 1954**

**VOLUME 72      NUMBER 1**

**SECTION II**

**INDEX TO A. M. A. ARCHIVES OF NEUROLOGY AND PSYCHIATRY  
FOR THE PERIOD  
JANUARY THROUGH JUNE, 1954**

Published Monthly by

**AMERICAN MEDICAL ASSOCIATION**

**535 NORTH DEARBORN STREET • CHICAGO 10, ILLINOIS**

Entered as Second Class Matter Jan. 7, 1919, at the Postoffice at Chicago, Under the Act of March 3, 1879. Annual Subscription, \$12.00

THE UNIVERSITY OF CHICAGO  
LIBRARY

## TITLE INDEX TO VOLUME 71

This Index consists of the titles of the articles arranged in alphabetical order and followed by the names of the authors, in brackets, and the page numbers on which the articles begin.

### A

	PAGE
Amorphosynthesis from Left Parietal Lesion [Denny-Brown & Banker] .....	302
Ansotomy in Paralysis Agitans [Spiegel & Wycis] .....	598
Anterior Choroidal Artery: Its Origins, Course, Distribution, and Variations [Carpenter & others] .....	714
Autonomic Functions of Diencephalon: Summary of Experimental Work of Prof. W. R. Hess [Gloor] .....	773

### B

Bilateral Intracranial Aneurysms [King & others] .....	326
--	-----

### C

Cardiovascular Responses to Experimental Cerebral Concussion in Rhesus Monkey: Discussion of Similarity of Responses to Electroconvulsive Shock and Cerebral Concussion in Dogs, Monkeys, and Man [Brown & Brown]	707
Cerebral Air Embolism Following Attempted Abortion: Report of Case [Haase] .....	253
Chlorpromazine: New Inhibiting Agent for Psychomotor Excitement and Manic States [Lehmann & Hanrahan] .....	227
Chronic Anxiety Symptomatology, Experimental Stress, and HCl Secretion [Mahl & Brody] .....	314
Chronic Progressive External Ophthalmoplegia: Clinical and Neuropathologic Report [Schwarz & Liu] .....	31
Clinical Implications of Recent Studies on Cerebral Circulation of Man [Shenkin & Novack] .....	148
Clot Retraction Time as Diagnostic Aid in Neurology [Savitsky & Werman]	496
Cogan's Syndrome (Nonsyphilitic Interstitial Keratitis with Deafness) [Stevens] .....	337
Complications Following Cerebral Angiography [Perese & others] .....	105
Complications of Iodopyracet (Diodrast) Arteriography [Verbrugghen] ....	518
Conduction of Pain in Man: Observations on Its Afferent Pathways Within Spinal Cord and Visceral Nerves [White] .....	1
Cortical Ablations in Dogs with Chronic Neurogenic Hypertension [Johnson & Browne] .....	135

	PAGE
Creatine Metabolism in Paralyzes Due to Various Causes, Especially Injuries to Spinal Cord [Pollock & others] .....	116
Current Concepts of Military Neurosurgery [Martin] .....	254
Cytochemical and Cinematographic Analysis of Skeletal Muscle Contraction [Harman] .....	378

### E

Effect of Amobarbital (Amytal) and Affect on Conceptual Thinking in Schizophrenia, Depression, and Neurosis [Cohen & others] .....	171
Effect of Atropine on Blood Pressure of Patients with Mental and Emotional Disease [Hoffer] .....	80
Effect on Electrically Induced Convulsions of Number of Previous Treatments in a Series [Holmberg].....	619
Effect of Intracarotid Iodopyracet (Diodrast) upon Cerebral Blood Flow [Bloor & others].....	358
Effect of Pineal Extracts on Blood Glutathione Level in Psychotic Patients [Altschule & others] .....	615
Electric Shock Treatment and Menstrual Cycle [Michael] .....	198
Electroencephalographic Changes Resulting from Carotid Artery Compression [Skillicorn & Aird] .....	367
Experimental Observations Concerning Cerebral Angiography [Browne & Stern] .....	477
Evaluation of Seizures in Adult [Martin & McDowell] .....	101

### H

Histamine Tolerance in Schizophrenia [Lucy] .....	629
Histopathological Changes in Brain in Schizophrenia: Critical Review [Weinstein] .....	539

### I

Impairment of Mental Function During Electric Convulsive Therapy [Michael] .....	362
Incidence of Idiopathic Convulsions in Later Life [Oatman] .....	181
Influence of Sex and Age on Convulsions Induced by Electric Shock Treatment, [Holmberg] .....	473
Initial Interview [Hendrickson & others] .....	24
Isoniazid in Treatment of Chronic Schizophrenic Patient [Bennett & others]..	54
Isoniazid Treatment of Psychiatric Patients [Lemere] .....	624

### L

Lack of Behavioral Effects Following Destruction of Some Thalamic Association Nuclei in Monkey [Chow] .....	762
Laminar Cortical Blocking and Its Relation to Episodic Aggressive Outbursts [Grossman] .....	576

# TITLE INDEX TO VOLUME 71

	PAGE
Liver Function and Other Blood Chemistry Tests in Multiple Sclerosis [Dobin & Switzer] .....	405
Lower Limb Reflexes of "Chronic Spinal" Man in Cycles of Morphine and Methadone Addiction [Wikler & Rayport] .....	160

## M

Maternal Obstetrical Paralysis: Report of Case [Manfredi] .....	254
Metabolic and Electroencephalographic Changes in Idiopathic Epilepsy: Detailed Case Study [Hatfield & others] .....	208
Multiple Sclerosis in Turkey: Etiologic and Symptomatologic Study of Four Hundred Ten Cases [Mutlu] .....	511
Myasthenia Gravis in Patient with Pseudohypertrophic Muscular Dystrophy [Chor & Kesert] .....	377

## N

Neurological and Electroencephalographic Effects of X-Irradiation of Head in Monkeys [Ross & others] .....	238
Neuropathologic Findings in Disseminated Lupus Erythematosus [Malamud & Saver] .....	723

## P

Paraplegia Following Excessive Bishydroxycoumarin (Dicumarol) Therapy [Arief & Pyzik] .....	517
Pathological Changes in Neurons, Neuroglia, and Blood-Brain Barrier Induced by X-Irradiation of Heads of Monkeys [Clemente & Holst] .....	66
Perithelial Sarcoma of Brain: Clinicopathological Study of Thirteen Cases [Hanbery & Dugger] .....	732
Perivascular Encephalolysis: Histopathology and Pathogenesis [Moore] .....	344
Poliomyelitis	
IX. Cerebral Hemispheres [Baker & others] .....	435
X. Cerebellum [Baker & Cornwell] .....	455
Postmeningitic Hydrocephalus: Case Report [Voris] .....	377
Psychomotor Attacks (Primary Automatisms) of Subcortical Origin [Fuster & others] .....	466

## R

Reactions of Cat Pial Circulation to Hypotensive States Induced by Hexamethonium Bromide [Poole] .....	640
Residuals of Tuberculous Meningitis: Presentation of Case [Brown & Jensen] .....	517
Role of Apical Dendrites in Electrical Activity of Cortex [O'Leary] .....	518
Role of Intrathecal Detergents in Pathogenesis of Adhesive Arachnoiditis [Padison & Alpers] .....	87

S

	PAGE
Sarcoidosis with Involvement of Nervous System: Report of Nine Cases [Höök] .....	554
Sensory Disorders in Cerebral Palsy, with Moving Pictures [Crothers] .....	250
Serial Administration of "Amytal Test" for Brain Disease: Its Diagnostic and Prognostic Value [Weinstein & others] .....	217
Significance of Tonic Neck Reflexes in Infancy and Childhood [Byers] .....	250
Simple Method for Recording Current and Voltage in Electroconvulsive Shock [Brown & Randall] .....	626
Spike-Dome Complex in Human Electroencephalogram [Cohn] .....	699
Spinal Cord Compression Studies	
II. Time Limits for Recovery After Acute Compression in Dogs [Tarlov & Klinger] .....	271
III. Time Limits for Recovery After Gradual Compression in Dogs [Tarlov] .....	588
Spinal Cord-Injured Patient of Korean War Period: Results of Applications of Principles of Management Derived From World War II Studies [Boshes & others] .....	255
Studies on Blood-Brain Barrier with Radioactive Phosphorus	
IV. Spatial Aspects of Phosphate Exchange Between Plasma and Brain [Bakay] .....	673
Studies on Headache: Cranial Artery Vasoconstriction and Muscle Contraction Headache [Tunis & Wolff] .....	425
Study of Human Cerebral Biopsy Specimens in Electrically Excited Condition [McIlwain] .....	488
Sturge-Weber-Dimitri Syndrome: Cephalic Form of Neurocutaneous Heman- giomatosis [Lichtenstein] .....	291
Succinylcholine Chloride in Electroshock Therapy	
I. Clinical Use [Wilson & Nowill] .....	122
II. Cardiovascular Reactions [Nowill & others] .....	189
Suitability of Tumor-Bearing Mice for Predicting Relative Usefulness of Isotopes in Brain Tumors: Comparative Clinical and Laboratory Study in Localization and Treatment of Brain Tumors with P <sup>32</sup> , Na <sup>24</sup> , K <sup>42</sup> , and Sodium Borate [Locksley & others] .....	684
Suprascapular Nerve Syndrome as Revealed by New (Anterior) Approach in Induction of Block [Skillern] .....	185

T

Teaching Child Guidance Concepts to Residents [Allen] .....	255
Teaching Child Psychiatry Concepts to Residents [Loomis] .....	256
Three-Year Follow-Up of Patients Developing Eosinophilia During Insulin Coma Therapy [Freeman & others] .....	501

V

Validity of Archimedes Spiral in Discriminating Memory Ability of Psychotics and of Normals [Standlee] .....	648
---	-----

## AUTHOR INDEX TO VOLUME 71

In this Index in alphabetical order are the names of the authors of all articles and the presenters of cases in Society Transactions, followed by the page numbers on which their articles or cases begin.

For Subject Index see page 3.

### A

Aird, R. B., 367  
Allen, F. H., 255  
Alpers, B. J., 87  
Altschule, M. D., 615  
Arieff, A. J., 517

### B

Bakay, L., 673  
Baker, A. B., 435, 455  
Banker, B. Q., 302  
Bedell, A. J., 105  
Bennett, I. F., 54  
Bernsohn, J., 116  
Bloor, B. M., 358  
Blustein, H., 116  
Borders, R., 189  
Boshes, B., 255  
Brody, E. B., 314  
Brown, G. W., 626, 707

Brown, M., 517  
Brown, M. L., 707  
Browne, K. M., 135, 477  
Byers, R. K., 250

### C

Campbell, E., 105  
Campoy, F., 326  
Carpenter, M. B., 714  
Castells, C., 466  
Chor, H., 377

Chow, K. L., 762  
Clemente, C. D., 66, 238  
Coffer, R. H., Jr., 24  
Cohen, B. D., 171  
Cohen, D., 54  
Cohn, R., 699  
Cornwell, S., 435, 455  
Cross, T. N., 24  
Crothers, B., 250

### D

Denny-Brown, D., 302  
Dobin, N. B., 405  
Dow, E., 684  
Dugger, G. S., 732

### F

Finkle, J. R., 116  
Freeman, R. V., 501  
Fuster, B., 466

### G

Gloor, P., 773  
Goncz, R. M., 615  
Grossman, C., 576

### H

Haase, E., 253  
Hanbery, J. W., 732  
Hanrahan, G. E., 227  
Harman, J. W., 378  
Hatfield, C. B., 208

Hendrickson, W. J., 24  
Höök, O., 554  
Hoffer, A., 80  
Holmberg, G., 473, 619  
Holst, E. A., 66, 238  
Huston, P. E., 171

### J

Jensen, L., 517  
Johnson, H. C., 135  
Jones, T. E., 501

### K

Kahn, R. L., 217  
Kesert, B. H., 377  
King, G., 326  
Kite, W. C., 105  
Klinger, H., 271

### L

Leavitt, S. R., 238  
Lehmann, H. E., 227  
Lemere, F., 624  
Lichtenstein, B. W., 291  
Liu, C.-N., 31  
Locksley, H. B., 684  
Loomis, E. A., Jr., 256  
Lucy, J. D., 629

### M

McDowell, F., 101  
McIlwain, H., 488



Mahl, G. F., 314  
Malamud, N., 723  
Malitz, S., 217  
Manfredi, H. M., 254  
Margolis, G., 358  
Martin, H. L., 101  
Martin, J., 254  
Michael, S. T., 198, 362  
Moore, M. T., 344  
Moss, M. L., 714  
Murnane, J. P., 615  
Mutlu, N., 511

**N**

Noback, C. R., 714  
Novack, P., 148  
Nowill, W. K., 122, 189

**O**

Oatman, J. G., 181  
O'Leary, J. L., 518

**P**

Paddison, R. M., 87  
Palmer, J. J., 501  
Perese, D. M., 105  
Pollock, L. J., 116

Poole, E. W., 640  
Powsner, H. J., 684  
Pyzik, S. W., 116, 517

**R**

Randall, J. E., 626  
Rayport, M., 160  
Rice, H. V., 208  
Rodriguez, B., 466  
Ross, J. A. T., 238

**S**

Saver, G., 723  
Savitsky, J. P., 496  
Schwarz, G. A., 31  
Senf, R., 171  
Shenkin, H. A., 148  
Siegel, E. P., 615  
Skillern, P. G., 185  
Skillicorn, S. A., 367  
Slade, H. W., 326  
Spiegel, E. A., 598  
Standlee, L. S., 648  
Starer, E., 54  
Stern, W. E., 477  
Stevens, H., 337

Sugarman, L. A., 217  
Sweet, W. H., 684  
Switzer, J. L., 405

**T**

Tarlov, I. M., 271, 588  
Tichy, F., 435  
Tigay, E. L., 255  
Tunis, M. M., 425

**V**

Verbrugghen, A., 518  
Voris, H. C., 377

**W**

Weinstein, E. A., 217  
Weinstein, M. R., 539  
Werman, R., 496  
White, J. C., 1  
Wikler, A., 160  
Wilson, D. R., 208  
Wilson, W. P., 122, 189  
Wolff, H. G., 425  
Wrenn, F. R., Jr., 358  
Wycis, H. T., 598

**Z**

Zivin, I., 255



## SUBJECT INDEX TO VOLUME 71

This Index contains an alphabetical list of all significant subjects mentioned in this volume. Abstracts are indexed by the categories under which they have been classified. Books, obituaries, news and comment, and society transactions are also included in this Index. The letter "f" following a page number indicates that the discussion is continued on a succeeding page; "ff," succeeding pages.

- A**
- Abducens nucleus, 38, 41 ff
- Abstracts
- cerebrospinal fluid, 267
  - congenital anomalies, 268, 667, 798
  - diseases of brain, 131, 262, 386, 521, 651, 793
  - diseases of spinal cord, 263, 387, 527
  - encephalography, ventriculography and roentgenography, 133, 268, 397, 535, 665, 795
  - meninges and blood vessels, 130, 261, 383, 791
  - muscular system, 132, 396, 665, 794
  - peripheral and cranial nerves, 264, 388, 529
  - physiology and biochemistry, 128, 259, 382, 520
  - psychiatry and psychopathology, 129, 260, 382, 791
  - special senses, 795
  - treatment, neurosurgery, 132, 267, 388, 530, 660, 794
- Acetylcholine, 81
- ACTH: See Corticotropin
- Adrenals, 213 f
- Adynamia, 777
- Agnosia, 302 ff
- Alconox, 87, 98
- American Association of Psychiatric Clinics for Children, 269
- Aminophylline, 152
- Amobarbital, 172 ff, 426, 629 sodium, 217
- Amorphosynthesis, 302 ff
- Amphetamine, 172 ff, 585
- Amytal: See Amobarbital
- B**
- Analgesia, 2 ff
- Anesthesia, spinal, 87 ff
- Aneurysms, intracranial, 105
- Angiography, 105 ff, 477 ff
- Anosognosia, 310 ff
- Anoxia, 596 f
- Ansa lenticularis, 598 ff
- Anstomy, 598 ff
- Antibiotics, 567
- Anxiety, symptomatology, 314 ff
- Apparatus, electrotherapy, 626 ff
- Arachnoiditis, 87 ff
- Archimedes spiral, 468 ff
- Arsenic, 567
- Artane: See Trihexylphenidyl
- Arterenol, 80, 638
- Arteries
- anterior choroidal, 714 ff
  - carotid, 367 ff, 371 ff
  - cranial, 425 ff
- Arteriography, 518 f
- carotid, 106
  - cerebral, 371 ff
- Atropine, 80 ff, 105, 107, 123, 638
- sulfate, 85 ff
- B**
- Behavior, 762 ff
- Behcet's syndrome, 571
- Benzazoline, 152
- Bishydroxycoumarin, 88, 517
- Blepharospasm, 337 ff
- Blood
- glutathione, 615 ff
  - plasma, 675 ff
- Blood-brain barrier, 66 ff, 673 ff
- Blood pressure, 80 ff, 123, 709 ff, 778
- See also Hypertension, Hypotension
- Books
- Cohen, E. A.: Human Behavior in Concentration Camp, 670
  - Hayek, F. A.: Sensory Order: Inquiry into Foundations of Theoretical Psychology, 401
  - Human Behavior in Concentration Camp: E. A. Cohen, 670
  - Kuntz, A.: Visceral Innervation and Its Relation to Personality, 671
  - Principles of Neurology in Light of History and Their Present Use: W. Riese, 670
  - Psychosomatic Approach to Gynecology and Obstetrics: F. Wengraf, 404
  - Riese, W.: Principles of Neurology in Light of History and Their Present Use, 670
  - Sensory Order: Inquiry into Foundations of Theoretical Psychology: F. A. Hayek, 401
  - Visceral Innervation and Its Relation to Personality: A. Kuntz, 671
  - Wengraf, F.: Psychosomatic Approach to Gynecology and Obstetrics, 404
- Brachialgia, 185 ff
- Brain, 269 ff, 344 ff, 725
- See also names of parts of the brain

Brain—Continued  
disease, 217 ff  
injury, 251  
perithelial sarcoma, 732 ff  
in schizophrenia, 539 ff  
tumors, 684 ff

Brucellosis, 571

## C

Caffeine, 106, 152

Calciferol, 567

Cancer: See under names of  
organs and regions

Carbon arc radiation, 567

Carbon dioxide, 152 ff

Cardiovascular system, 352  
cerebral concussion, 707 ff

Cauda equina, 272 ff  
compression, 595

Central nervous system  
infections, 498 f  
neoplasms, 497 f

Cerebellum, 710  
sarcoidosis, 566  
poliomyelitis, 455 ff

Cerebral concussion, 707 ff

Cerebral palsy, 250, 251

Cerebrospinal fluid [abstracts],  
267

Cerebrospinal fluid, 674 ff  
pressure, 360  
sarcoidosis, 567 ff

Cerebrovascular system  
accidents, 498 f

Cerebrum, 292 ff  
air embolism, 253 f  
biopsy specimens, 488 ff  
blood flow, 358 ff  
circulation, 148 ff  
electrical excitation, 488 ff  
poliomyelitis, 435 ff  
sarcoidosis, 570  
tumors, 739

Child guidance, 255 f

Chloroethylene, 2

Chlorpromazine, 227 ff

Clot retraction, 496 ff

Cogan's syndrome, 337 ff

Congenital anomalies [ab-  
stracts], 268, 667, 798

Convulsions, 101 ff  
idiopathic, 181

Cortex, 135 ff, 144 ff, 294 ff,  
440 ff, 543, 676 ff  
electrical activity, 518  
laminar blocking, 576 ff  
motor, 138 f, 143 f  
occipital, 138 f, 145, 710  
orbital, 136 ff, 146

Corticotropin, 567

Cortisone, 55, 208 ff, 340, 567,  
726 ff

Cranium, aneurysms, 326 ff

Creatine, 116 ff

Cyanide ion, 518

## D

Deafness, 337 ff

Degenerative diseases, 498 f

Dementia paralytica, 648 ff

Dementia praecox: See  
Schizophrenia

Dendrite, 518

Dentate ligament, 3

Depression, 172 ff

Desoxycorticosterone, 208,  
213 f

Detergents, 87

Diabetes, 124, 352

Diacetylmorphine, 161

Dicumarol: See Bishydroxy-  
coumarin

Diencephalon, 710  
autonomic, 773 ff

Dilantin: See Diphenyl-  
hydantoin

Dinitrophenol, 378

Diodrast: See Iodopyracet

Diphenylhydantoin, 209, 211

Diseases of brain [abstracts],  
131, 262, 386, 521, 651,  
793

Diseases of spinal cord [ab-  
stracts], 263, 387, 527

Dysplasia, hemangiomatous,  
291 ff

## E

Electroencephalography, 59, 63,  
77, 367 ff, 426 ff  
psychomotor attacks, 467  
sleep, 576 ff  
spike-dome complex, 699 ff

Electrotherapy, 122 ff, 189,  
198 ff, 223, 473 ff, 619 ff,  
626 ff, 711 f

Encephalography, ventriculog-  
raphy and roentgenog-  
raphy [abstracts], 133, 268,  
397, 535, 665, 795

Encephalolysis, perivascular,  
344 ff

Endocrine system, 352

Eosinophilia, 501 ff

Epilepsy, 181 ff, 328, 585  
idiopathic, 208 ff  
memory in, 648 ff

Epileptic discharges, 466 ff

Epinephrine, 76, 80, 106, 635

Epiphora, 341 ff

Ergotamine tartrate, 426

Ergotrope zone, 779

Estrogen, 204 f

Extrapyramidal syndrome, 566

Eyes, 337 ff

## F

Facial nucleus, 49

Finsen light, 567

Flaxedil: See Gallamine

Follicle-stimulating hormone,  
205

## G

Gallamine, 189

Globus pallidus, 605 f

Gravocain, 95

## H

Headache, 425 ff

Heart

arrhythmias, 189 ff  
in cerebral concussion, 709 ff  
tachycardia, 195

# SUBJECT INDEX TO VOLUME 71

Hemangiomas, neurocutaneous, 291 ff  
 Hemiplegia, 124  
 Heparin, 517  
 Hexamethonium bromide, 640 ff  
 Histamine, 153, 629 ff  
 Hydrochloric acid, 314 ff  
 Hydrogen peroxide, 76  
 Hypertension, 135 ff, 148 ff  
 Hypotension, 193 ff, 640 ff  
 Hypothalamic mechanisms, 787 ff  
 Hypothalamus, 565, 580

## I

Insulin, 629  
 Interview, initial, 24 ff  
 Iodopyracet, 76, 105, 107 ff, 477 ff, 518 f  
     intracarotid, 358 ff  
 Iproniazid, 54  
 Ischemia, 288 ff  
 Isoniazid, 54 ff, 624 f  
 Isonicotinic acid, 56 ff

## J

Jaffe reaction, 117

## K

Keratitis, interstitial, 337 ff

## L

Leucoencephalopathy, cyanide, 354  
 Liver, 405 ff  
 Lobotomy, 160, 542  
 Lupus erythematosus, disseminated, 723 ff  
 Luteinizing hormone, 204  
*d*-Lysergic acid, 54

## M

Malononitrile, 518  
 Mecholyl: See Methacholine

Medulla, 710  
 Meninges  
     in poliomyelitis, 438 ff  
     in sarcoid, 565  
 Meninges and blood vessels [abstracts], 130, 261, 383, 791  
 Meningitis, 570  
     hydrocephalus, 377  
     tuberculous, 517  
 Mental disorder in sarcoidosis, 564  
 Mental function, impairment, 362 ff  
 Mesantoin: See Methylphenylethyl hydantoin

Mescaline, 54

Methacholine, 81

Methadone, 160 ff

Methylphenylethyl hydantoin, 211

Metrazol: See Pentylenetetrazol

Midbrain, 610, 677

Mononucleosis, infectious, 571

Morphine, 105, 107, 160 ff

Multiple sclerosis, 405 ff, 498 f, 511 ff

Muscles  
     activity 777  
     contraction headache, 425 ff  
     extraocular, 51  
     skeletal, 378

Muscular dystrophy, 48 ff  
     pseudohypertrophic, 377 f

Muscular system [abstracts], 132, 396, 665, 794

Myasthenia gravis, 377 f

## N

Nalorphine, 165 ff

Neostigmine, 377 f

Nerves

    abducens, 42 ff  
     oculomotor, 41 ff  
     suprascapular, 185 ff

Neuroglia, 66 ff

Neurons, 66 ff

Neuropathy, diabetic, 124

Neurosurgery, 254 f

Neurosis, 172 ff

News and comment, 134, 269, 398, 537, 668, 798

Nicotinic acid, 152

Nitrogen mustard, 567

Nitrous oxide, 2, 16, 102

Nor-epinephrine: See Arterenol

## O

### OBITUARIES

Gerard, Margaret Wilson, 772

Globus, Joseph H., 380

Hiller, Frederick, 257

Oculomotor nucleus, 35 ff

Ophthalmoplegia, 31 ff

Oxytetracycline, 55

## P

PAS: See paraaminosalicylic acid

Pacinian corpuscles, 17

Pain  
     conduction, 1 ff  
     sensation, 271 ff, 318

Pallidofugal fibers, 611

Papaverine, 152 f

Paraaminosalicylic acid, 55 ff

Paralysis, 254  
     agitans, 598 ff

Paraplegia, 517

Paresthesia, 565 f

Parkinsonism, 601 ff  
     encephalitic, 498

Penicillin, 555

Pentothal: See Thiopental

Pentylenetetrazol, 629

Periadenitis mucosa necrotica recurrens: See Behcet's syndrome

Peripheral and cranial nerves  
[abstracts], 264, 388, 529

Phenobarbital, 585

Phosphorus, 684 ff  
radioactive, 673 ff

Photophobia, 337 ff

Physiology and biochemistry  
[abstracts], 128, 259, 382,  
520

Pial vessels, 640 ff

Pineal extracts, 615 ff

Pituitary, 206

Pneumoencephalography,  
371 ff

Poliomyelitis, 116  
bulbar, 435 ff, 455 ff  
cerebellum in, 455 ff

Polymyositis, 570

Polyneuritis, 570

Potassium, 684 ff  
dichromate, 99

Priscoline: See Benzazoline

Procaine, 12, 95, 105

Prostigmin: See Neostigmine

Psychiatry and psychopathol-  
ogy [abstracts], 129, 260,  
382, 791

Psychomotor attacks, 466 ff

Psychosis, involutional, 615 ff  
Korsakoff, 54  
manic-depressive, 615 ff,  
648 ff  
memory, 648 ff

Psychosomatic factors, 135 ff

Pyramidal tract, 611

Pyribenzamine: See Tripelen-  
namine

Pyruvate-oxidase, 353

## R

Radioactive isotopes, in brain  
tumor, 684 ff

Radioactive phosphorus, 673 ff

Respiration, 779  
Cheyne-Stokes, 107

Rhombencephalon, 610

6

## T

Sarcoidosis

nervous system, 554 ff

Schizophrenia, 81 ff, 171 ff,  
545 f, 615 ff

adrenalectomy, 638

brain, 539 ff

chronic, 54 ff

histamine, 629

memory, 648 ff

Munroe, 85

Weybburn, 85

Scopolamine hydrobromide, 603

Scurocain: See Procaine

Sleep, 782 ff

## SOCIETY TRANSACTIONS

Boston Society of Psychiatry  
and Neurology, 250

Chicago Neurological  
Society, 253, 377, 517

Philadelphia Psychiatric  
Society, 255

Sodium, 684 ff

benzoate, 106, 152

borate, 686

iodide, 111

Special senses [abstracts], 795

Spinal cord, 116 ff, 255

anesthesia, 2 ff

compression, 271 ff, 588 ff

Spinocain, 95

Spinothalamic tract, 3, 6

Stellate ganglion block, 154

Stellectomy, 154

Stimuli, extinguished, 309

Streptomycin, 55 ff

Strychnine, 518

Sturge-Weber-Dimitri syn-  
drome, 291 ff

Substantia nigra, 609 f

Succinylcholine, 122 ff  
chloride, 189 ff

Sympathectomy, 153 f

## S

Tabes dorsalis, 124

Tegmentum, 609 f

Terramycin: See Oxytetra-  
cycline, 55

## Tests

Gardner behavior chart, 58,  
60, 63

human figure drawing, 62 ff  
Rorschach psychodiagnostic,  
58, 62 ff

Wechsler-Bellevue adult in-  
telligence scale, 58, 60, 63

Thalamus, 580

association nuclei, 762 ff

Theophylline, 76

Thiamine, 353

Thiopental, 2, 16, 105, 123,  
190 ff

Thorium dioxide, 477 ff

Thorotrast, 111

Toxoplasmosis, 570 f

Treatment, neurosurgery [ab-  
stracts], 132, 267, 388, 530,  
660, 794

Trihexylphenidyl, 602

Trilene: See Chloroethylene

Tripelennamine, 337

Trochlear nucleus, 37 ff

Tuberculosis, meningeal, 517

Tubocurarine chloride, 189

## U

Urethan, 567

## V

Vasopressin, 209 ff

Veratrine, 518

Vinyl ether, 106

Vitamin D: See Calciferol

## X

X-ray therapy, 66 ff, 238 ff,  
740

Xanthines, 152

# **A. M. A.**

## **ARCHIVES OF**

# **NEUROLOGY <sup>A</sup><sub>N</sub> PSYCHIATRY**

### **EDITORIAL BOARD**

**TRACY J. PUTNAM, Chief Editor**

**450 North Bedford Drive, Beverly Hills, California**

**HAROLD G. WOLFF, New York**

**CHARLES D. ARING, Cincinnati**

**STANLEY COBB, Boston**

**ROY R. GRINKER, Chicago**

**JOHN WHITEHORN, Baltimore**

**BERNARD J. ALPERS, Philadelphia**

**PERCIVAL BAILEY, Chicago**

**WILDER PENFIELD, Contributing Member, Montreal**

**VOLUME 72**  
**1954**

**PUBLISHERS**  
**AMERICAN MEDICAL ASSOCIATION**  
**CHICAGO 10, ILL.**

A. B. C.

THE NEW YORK PUBLIC LIBRARY  
ASTOR LENOX TILDEN FOUNDATION

# **A. M. A.**

## **ARCHIVES OF**

# **NEUROLOGY <sup>A</sup><sub>N</sub> PSYCHIATRY**

### **EDITORIAL BOARD**

TRACY J. PUTNAM, Chief Editor

450 North Bedford Drive, Beverly Hills, California

HAROLD G. WOLFF, New York

STANLEY COBB, Boston

JOHN WHITEHORN, Baltimore

CHARLES D. ARING, Cincinnati

ROY R. GRINKER, Chicago

BERNARD J. ALPERS, Philadelphia

PERCIVAL BAILEY, Chicago

WILDER PENFIELD, Contributing Member, Montreal

**DECEMBER 1954**  
**VOLUME 72      NUMBER 6**

### **SECTION II**

**INDEX TO A. M. A. ARCHIVES OF NEUROLOGY AND PSYCHIATRY**  
**FOR THE PERIOD**  
**JULY THROUGH DECEMBER, 1954**

Published Monthly by

**AMERICAN MEDICAL ASSOCIATION**

535 NORTH DEARBORN STREET • CHICAGO 10, ILLINOIS

Entered as Second Class Matter Jan. 7, 1919, at the Postoffice at Chicago, Under the Act of March 3, 1879. Annual Subscription, \$12.00



**T**HIS INDEX consists of three parts: Author Index, Index to Pages, and Subject Index. A Title Index is no longer included, and subscribers who wish a Table of Contents in the bound volume should arrange to have the Tables of Contents of each of the six issues of this volume included among the pages to be bound. For the use of such subscribers an additional title page suitable for binding is included.

## AUTHOR INDEX TO VOLUME 72

In this Index in alphabetical order are the names of the authors of all articles and the presenters of cases in Society Transactions which have appeared in the ARCHIVES, followed by the page numbers on which their articles or cases begin.

For Subject Index see page 7.

- |   |   |   |
|---|---|---|
| <p><b>A</b></p> <p>Abood, L. G., 257</p> <p>Ajax, E. T., 262</p> <p>Alexander, L., 639, 652, 688</p> <p>Alpers, B. J., 440</p> <p>Altschule, M. D., 688, 696</p> <p>Angyal, A., 645</p> <p>Austin, G. M., 113</p>   | <p>Brazier, M. A. B., 376</p> <p>Breckenridge, C. G., 11</p> <p>Brickner, R. M., 1, 92</p> <p>Brown, E. O., Jr., 88</p> <p>Brown, I. A., 60, 674</p> <p>Burgemeister, B. B., 720</p>  | <p><b>E</b></p> <p>Ely, R. S., 583</p> <p>Ervin, F., 321</p>  |
| <p><b>B</b></p> <p>Bailey, P., 263</p> <p>Bain, J., 257</p> <p>Baker, G. S., 260</p> <p>Baker, J. R., 227</p> <p>Banker, B. Q., 643</p> <p>Barrows, L. J., 116</p> <p>Barry, H., 639</p> <p>Bender, M. B., 233, 282</p> <p>Bercel, N. A., 169</p> <p>Berg, S., 115</p> <p>Berlin, L., 764</p> <p>Bernhard, C. G., 473</p> <p>Berris, H., 60</p> <p>Blacher, R. S., 654</p> <p>Bliss, E. L., 352</p> <p>Bohm, E., 473</p> <p>Branch, C. H. H., 352</p> <p>Bray, P. F., 583</p> | <p><b>C</b></p> <p>Caraway, W. T., 579</p> <p>Cattell, J. P., 649</p> <p>Cavanaugh, E. B., 267</p> <p>Chafetz, M. E., 591</p> <p>Chow, K. L., 80</p> <p>Cobb, S., 665</p> <p>Cogan, D. G., 116</p> <p>Cohn, J. V., 386</p> <p>Courtney, D., 385</p> <p>Craigmile, T., 261</p> | <p><b>F</b></p> <p>Fang, H. C., 296, 638</p> <p>Fay, T., 112</p> <p>Feindel, W., 605</p> <p>Feldman, S., 599</p> <p>Fink, M., 233</p> <p>Fisher, M., 187</p> <p>Flach, F. F., 383</p> <p>Foley, J. M., 638</p> <p>Forster, F. M., 154</p> <p>Frayser, R., 550</p> <p>French, J. D., 267</p> <p>French, L. A., 555</p> <p>Furer, M., 654</p> |
| <p><b>D</b></p> <p>von Dardel, O., 73</p> <p>Davis, L., 261, 646</p> <p>Denker, P. G., 504</p> <p>Denny-Brown, D., 296, 643</p> <p>De Young, W. A., 579</p> <p>Dimon, F. S., 565</p> <p>Dodge, P. R., 377</p> <p>Duffy, J. J., 262</p>  | <p><b>G</b></p> <p>Galdston, I., 384</p> <p>Geiger, A., 257</p> <p>Gerard, R. W., 257</p> <p>Gibbs, F. A., 263</p> <p>Gillilan, L. A., 116</p> <p>Goncz, R. M., 688, 696</p> <p>Goodell, H., 325, 764</p> <p>Grant, F. C., 113</p> <p>Greaves, D. C., 653</p>                 |   |

Green, M. A., 233

Groff, R. A., 782

Guthrie, T. C., 764

## H

Hård, G., 73

Halpern, L., 160

Henneman, D. H., 688,  
696

Herz, E., 43

Hess, W. C., 154

Hickam, J. B., 550

Hilliard, J., 341

Hoch, P. H., 649

Hoff, H. E., 11

Hoffer, A., 348

Holmberg, G., 73

## I

Impastato, D. J., 115

## J

Jacobson, S. A., 712

Jefferson, G., 111

Johnson, D. R., 555

## K

Kameyama, M., 573

Kelley, V. C., 583

Kline, N. S., 565

Kling, A., 180

Koenig, R., 540

Kohl, R. N., 383

Kornetsky, C., 452

## L

Latner, A. L., 362

Lesse, S., 133

Levy, A., 227

Lewis, N. D. C., 646

Lewontin, R., 325

Liddell, H., 379

Liechti, R., 341

Linden, M. E., 385

Lindstrom, P. A., 399

Locksley, H. B., 108

Longmire, R. L., 267

Lorenz, M., 665

Lowenstein, O., 742

Lubic, L. G., 568

Luhan, J. A., 259

Lutz, W. M., 565

## M

McCoy, A., 259

McHarg, J. F., 531

McKnight, W. K., 382

Madonick, M. J., 365

Madow, L., 440, 780

Markham, J. W., 758

Marotta, J. T., 568

Marsh, J. T., 341

Meyer, J. S., 296

Michaels, J. J., 641

Migeon, C. J., 352

Moldaver, J., 506

Mozai, T., 573

Murtagh, F., 784

## N

Nelson, D. H., 352

Netsky, M. G., 133, 426

Nielsen, J. M., 647

Nowill, W. K., 550

## O

Obrist, W. D., 80

Okinaka, S., 573

Olsen, A. K., 787

Oppenheimer, H., 650

Otenasek, F. J., 758

## P

Paddison, R. M., 780

Penfield, W., 605

Pennes, H. H., 649

Perlstein, M. A., 256

Perry, G. F., 504

Pettersson, H., 73

Pleasure, H., 313

Pool, J. L. B., 649

Porter, R. W., 267

Putnam, T. J., 169

## R

Ramqvist, N., 73

Ransohoff, J., 649

Reyes, V., 784

Richardson, E. P., Jr., 377

Rioch, D. McK., 258

Robbins, R., 114

Roboz, E., 154

Rosen, S., 682

Rosomoss, H. L., 787

Rothenberg, S. F., 169

Rowell, P. W., 705

## S

Samueloff, M., 599

Samuels, L. T., 352

Sanchez-Longo, L. P., 789

Savitsky, N., 365

Schlezinger, N. S., 789

# AUTHOR INDEX TO VOLUME 72

- |                        |                         |                        |
|------------------------|-------------------------|------------------------|
| Schreiner, L., 180     | Teng, P., 282           | Watson, J. MacD., 426  |
| Schwab, R. S., 591     | Tenney, A. M., 565      | Weinstein, E. A., 282  |
| Scott, M., 784         | Thesleff, S., 73        | Weiss, A. A., 503      |
| Shagass, C., 705       | Toyoda, M., 573         | Westhaysen, P. V., 257 |
| Shands, H. C., 455     | Toyokura, Y., 573       | Wetzel, N., 646        |
| Skillern, P. G., 335   | Triebel, W. A., 654     | Whiteley, W. H., 780   |
| Smolinsky, H. J., 386  | Trosman, H., 540        | Whitman, R. M., 540    |
| Spiegel, E. A., 114    |                         | Wiedorn, W. S., 321    |
| Spiegel-Adolf, M., 114 | <b>U</b>                | Williams, H. W., 579   |
| Stevens, J. R., 726    | Uecker, A. E., 555      | Wilson, W. P., 550     |
| Sugar, O., 256         | Ulin, A. W., 787        | Wolff, H. G., 325, 764 |
| Sweet, W. H., 108      |                         | Wolpe, J., 205         |
| Symonds, C., 631       | <b>V</b>                | Wycis, H. T., 114, 784 |
| Szancer, S., 653       | Victor, M., 377         |                        |
|                        | Voris, H. C., 257       | <b>Y</b>               |
| <b>T</b>               |                         | Yoshikawa, M., 573     |
| Tarlov, I. M., 43      | <b>W</b>                |                        |
| Temple, D. M., 154     | Walker, S., 591         | <b>Z</b>               |
|                        | Walton, J. N., 362, 375 | Zimmerman, F. T., 720  |

## INDEX TO PAGES

of Volume 72, by monthly issues, July-December, 1954

Pages	No.	Month	Pages	No.	Month
1-132	1	July	399-530	4	October
133-266	2	August	531-664	5	November
267-398	3	September	665-794	6	December



## SUBJECT INDEX TO VOLUME 72

This Index contains an alphabetical list of significant subjects presented in this volume. Abstracts are indexed by category under the heading "Abstracts." Books reviewed are indexed alphabetically under the heading "Book Notices." Society transactions are listed under that heading, with individual papers indexed under appropriate headings. Notices of symposiums, lectures, postgraduate courses, and similar events are indexed under the general heading "Postgraduate education."

### A

#### ABSTRACTS

- anatomy and embryology, 265, 387
- congenital anomalies, 528, 662
- diseases of brain, 124, 388, 515, 661
- diseases of spinal cord, 391
- encephalography, ventriculography, and roentgenography, 126, 526, 661
- meninges and blood vessels, 123, 514, 660
- neuropathology, 122, 659
- peripheral and cranial nerves, 526, 661
- physiology and biochemistry, 118, 265, 387, 508, 657
- treatment, neurosurgery, 125, 394, 522
- Aluminum hydroxide cream: effect on preoccipital cortex, 80
- Amobarbital narcosis, 1, 103
- Amorphosynthesis, 643
- Amyotrophic lateral sclerosis, 674
- Aneurysms, intracranial, 111  
surgical treatment, 782
- Anisocoria: alternating contraction, 742
- Antibodies: inactivation by lead, 579
- Arnold-Chiari malformation, 116
- Atropine: effect on leucocytes, 348
- Automatism: localization of discharge, 605

### B

- Babinski sign, 112
- Barbiturates: withdrawal syndrome, 452
- Behavior
  - appetitive, 92
  - conditioning and emotional, 379
  - hypersexual, and castration, 180
- Body image: total body experience, 650
- BOOK NOTICES
  - Analysis of an Obsessional (Pickford), 793
  - Atlas postmortaler Angiogramme (Schoenmackers and Vieten), 793
  - Collected Papers of Otto Fenichel (Fenichel and Rapaport, eds.), 794
  - Concept of Schizophrenia (McAuley), 793
  - Epilepsy and Functional Anatomy of Human Brain (Penfield and Jasper), 663
  - In Honour of S. Ramón y Cajal on the Centenary of His Birth 1952, 663
  - Process of Psychotherapy (Ingham and Love), 664

#### Brain

- afferent systems, 376
- angiomatous malformations, 780
- blood vessels, 116
- collateral circulation, 296
- cystic tumors, 114
- disease, carbohydrate metabolism in, 688, 696
- hemorrhages of pons and cerebellum, 638

#### Brain—Continued

- hepatocerebral disease: See Hepatolenticular degeneration
- surgery, ultrasonic irradiation, 399
- tuberculomas of cerebellum, 113
- tumor of, and lumbar puncture, 568
- venous occlusion, acute, 653
- Breathing: See Respiration
- Burns: brain changes from, 440

### C

- Carotid arteries: occlusion, 187
- Castration: hypersexual behavior and, 180
- Central excitatory state, 764
- Central nervous system: metastatic neoplasms to, 133
- Cerebellum: See under Brain
- Cerebrospinal fluid, 108
- Chiasm: lesions from aneurysms, 111
- Concussion: postconcussion syndrome in litigation, 504
- Convulsions: metabolism of, 257
- Convulsive disorder: adrenocortical function in, 583
- Copper: demonstration of, 573
- Cortex, preoccipital: effect of Al(OH)<sub>3</sub>, 80
- Corticomotoneuronal system, 473

Corticotropin: eosinophile response, 68

Cortisone acetate: intracisternal, in cats, 599

Creative drive, 654

## D

Diphenylhydantoin (Dilantin): in convulsive disorder, 583

Disc equilibrium: unilateral, 160

## E

Electric shock treatment  
effect on adrenocortical steroids, 352

circulatory effects, 73

lung abscess and, 227

succinylcholine chloride in, 115, 550

thiamylal with, 88

Electroencephalography  
changes in foci with age, 263

radioactive isotopes, 261

Enuresis: juvenile delinquency and, 641

Epilepsy  
adrenocortical function in, 583

classification, 631

hemiparetics, tests before and after hemispherectomy, 555

optimum medication, 169

petit mal, N-methyl- $\alpha$ , $\alpha$ -methylphenylsuccinimide for, 720

temporal lobe, localization of discharge, 605

from vascular disease, 377

Epinephrine  
eosinophile response, 68

reduced response to, 639

Extradural hemorrhage, 257

Eyes: centering, experimental, 282

## F

Fellowships, 132, 791, 792

Field alterations: in depressive episode, 455

Foramen magnum: lesions, 260

Fractionating and combining, 1

Freud: Oedipus complex, 384

8

## G

Gastrointestinal tract  
in neurologic disorders, 426

psychosomatic disturbances, 267

Grants, 396, 398

Great occipital-trigeminus syndrome, 335

Group Development, National Training Laboratory in, 790

Group experiences, 386

## H

Head injuries, 787

Hemiplegia: hemispherectomy in, 256, 555

Hemispherectomy

in infantile hemiplegia, 256

in epilepsy, tests before and after, 555

Hepatolenticular degeneration:  
copper in liver and brain in 573

Hydrocephalus: shunt operations, 784

17-Hydroxycorticosteroids: in convulsive disorder, 583

Hysteria: variants, 645

## I

Insulin

coma: effect on adrenocortical steroids, 352; prolonged, 705

eosinophile response, 68

subcoma, treatment, 653

Iproniazid (Marsilid): side-effects, 313

Isoniazid: side-effects, 313, 321

## L

Language patterns, 665

Lead intoxication: inactivation of antibodies, 579

Legal problems: postconcussion syndrome, 504

Liver: hepatocerebral disease:

See Hepatolenticular degeneration

Lobotomy, transorbital: body type in prognosis, 565

Lung: abscess, in mental hospital, 227

## M

Mania: in childhood, 531

Manic-depressive psychosis: fructose metabolism in, 696

Marsilid: See Iproniazid

Mecholyl: See Methacholine

Ménière's disease, 682

Meninges

metastatic neoplasms to, 133

spontaneous subarachnoid hemorrhage, 712

Mephnesin: in periodic breathing, 23

Mercurialism, chronic, 674

Metabolism: carbohydrate, in brain disease, 688, 696

Methacholine (Mecholyl): hypothalamic function test, 64

Metrazol: See Pentylene-tetrazol

Migraine: familial occurrence, 325

Montreal Neurological Institute, 529

Morphine: respiratory action, 24

Multiple sclerosis  
glucose metabolism in, 688

serum lipid in, 154

Muscular dystrophy  
National Research Foundation, 529

ribosuria in, 362

Myoclonus: paroxysmal, 259

Myopathies: classification, 375

## N

National Foundation for Infantile Paralysis, 791

National Training Laboratory in Group Development, 790

Neurology: statistical control studies, 365

Neuromyelitis optica, 758



# SUBJECT INDEX TO VOLUME 72

NEWS AND COMMENT, 132, 266, 396, 529, 663, 790

N-methyl- $\alpha$ , $\alpha$ -methylphenylsuccinimide: for epilepsy, 720

## O

Oedipus complex, 384

## P

Paralysis  
complete, 43  
familial periodic, 726

Parkinsonism: control of simultaneous motor acts, 591

Passive-aggressive personality, 540

Pentylentetrazol (Metrazol): in senium, 385

Perception disorder: amorpho-synthesis, 644

Perceptual patterns, 233

Peripheral nerve pressure syn-drome, 506

Polarography, 296

Poliomyelitis: hypothalamic involvement, 60

Pons: See under Brain

Postgraduate education, 791, 792

Psychalgia: intractable, 639

Psychiatric disorders: physio-logic aspects, 646

Psychiatry, preventive: in Ko-rea, 258

Psychic functions: neurologic aspects, 647

Psychoanalysis: field altera-tions in depressive episode, 455

Psychoneurosis: critical ages for parental death, 639

Psychosis  
functional, in childhood, 531  
involutional, fructose metab-olism in, 696

Psychosomatic medicine: gas-trointestinal disturbances, 267

Psychotherapy  
depressions, 383  
disturbed patients, 382  
reciprocal inhibition in, 205

Pudendal nerve: in bladder disturbances, 503

## R

Radiation: ultrasonic, 399

Respiration: periodic breath-ing, 11

Rorschach determinants in barbiturate withdrawal syndrome, 452

Rossolimo sign, 365

## S

Savitsky laboratory, 132

Schizophrenia  
fructose metabolism in, 696  
pseudoneurotic, treated with psychosurgery, 649  
treatment-resistant, antiepi-nephrine factor, 639, 652  
under age 6, 654

Senility: pentylentetrazol in, 385

Sex deviates: proteolytic en-zyme system in, 341

Sign stimuli, 92

Society news  
American Academy for Cerebral Palsy, 266  
American Medical Associa-tion, 663  
American Neurological As-sociation, 266  
American Orthopsychiatric Association, 790  
American Psychosomatic Society, 397  
Chicago Neurological Soci-ety, 646  
Congress of Neurological Surgeons, 397  
New York Society of Neuro-surgery, 530

SOCIETY TRANSACTIONS  
Boston Society of Psychia-try and Neurology, 108, 375  
Chicago Neurological Soci-ety, 256, 646

SOCIETY TRANSACTIONS—Con-  
tinued

Illinois Psychiatric Society  
and Chicago Neurological  
Society, 646

New York Academy of  
Medicine, Section of Neu-  
rology and Psychiatry, and  
New York Neurological  
Society, 382, 503, 649

Philadelphia Neurological  
Society, 111; and New  
York Neurological Soci-  
ety, 780

Philadelphia Psychiatric So-  
ciety, 385

Spinal cord  
cholesteatoma, 262  
compression studies, 43  
isolated, motor response to  
cutaneous stimulation in,  
764

Stereoccephalotomy, 114

Subarachnoid: See under  
Meninges

Succinylcholine  
chloride, in electroshock, 115,  
550  
iodide, in electroshock, 73

Surgery  
in emotionally disturbed  
women, 654  
stereotaxic, 263

Surital: See Thiamylal

Syringomyelia: surgical treat-  
ment, 646

## T

Tetanus: cephalic, 789

Thiamylal (Surital): with elec-  
troshock, 88

Total body experience, 650

Tourniquet paralysis, 506

## U

Ultrasound: prefrontal irradia-  
tion, 399

Urinary bladder: pudendal  
nerve in disturbances, 503

## W

Wilson's disease: See Hepato-  
lenticular degeneration